

## Purchase Order Receipt Listing

Monday, November 23, 2015 2:04:04 PM

All amounts are calculated in domestic currency.

All Vendors	PO ID PO30508	All Receipt Dates	All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor-ID/Vendor Name											
PO30508 USD	1		VU-FUT001	Future Alloys							
	No		71401-45		11/24/2015	11/23/2015	1.0000	\$0.00	0.0000	0	\$0.00
			PROCUREMENT		1.0000	DCUSER		\$0.00	0.0000	0	
			QUALITY CLAUSES								
			m133673								
	2		71425-30	Each	11/24/2015	11/23/2015	1.0000	\$20.00	0.0000	0	\$20.00
	No		PACKAGING/HAND		1.0000	DCUSER		\$20.00	0.0000	0	
			LING CHARGE								
			m133673								
	3		M174B2.000x07.000	f	11/24/2015	11/23/2015	3.0000	\$437.35	0.0000	0	\$1,312.05
No		17-4 SS Bar 2.00 x	f	3.0000	DCUSER		\$1,312.05	0.0000	0		
		7.00 - Grain on 36" length									
		m133673									
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											



# FUTURE ALLOYS, INC.

20151 Bahama Street, Chatsworth, CA 91311 • 818-701-1144 • FAX 818-701-6182

INVOICE NO. 40562

Sold to:

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7 Canada

Ship to:

DATE	TERMS	SHIP VIA	P. O. NO.	OUR ORDER #
11/20/2015	Net 30 Days	FedEx Overnight	30508	8662
QUANTITY	DESCRIPTION	LBS	UNIT PRICE	AMOUNT

1 pc

17-4 PH Rect. Bar 2.000" x 7.000" x 36.000"  
Crucible Lot # A13038

1 ea

Packaging

SP15-11-23

NOTES

Website: [www.futurealloys.net](http://www.futurealloys.net)  
Subject to the terms and conditions on the reverse side.

THANK YOU

SHIPPER



575 STATE FAIR BLVD.  
SOLVAY, NY 13208

# Certificate of Test

Cert Date: 04/07/15

A13038

S O L D T O	S H I P T O	CIL ORDER NO. P5-19729-4-01	
		HEAT NO. A13038	
CIL INSIDE SALES REP. L HINMAN		SHIPPED FROM SOLVAY, NY USA	CUSTOMER P.O. 48279-3/S16440
QUANTITY SHIPPED 1792 LBS. 1 BDL		CUSTOMER PART NO. S16440	

## DESCRIPTION OF MATERIAL

CRU 17CR-4NI HF P SOL TRTD  
AMS-2303-F AMS-5643-T ASME SA-564-13ED TYPE 630 ASTM-A484-14A ASTM-A564-13 TYPE 630  
CAPABLE OF MBO 160-003-C (EX HDNS & UT)

## CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CU	CB	TA
.050	.67	.027	.022	.57	4.32	15.23	.16	3.16	.292	.009

## AS SHIPPED PROPERTIES

HARDNESS  
BHN 360/363

DAS  
14  
9-89

15/11/23

## HEAT CHARACTERISTICS

HEAT CAPABILITY AFTER 900 DEG. F. 1 HR. AIRCOOL:

HARDNESS	TENSILE PSI	MICRO	MACRO
BHN 415	209,990	ACCEPTABLE	ACCEPTABLE
	YLD. 2% PSI	MAGNAFLUX F/S	FERRITE
	% ELONG4D	0/0	<3%
	RED/AREA%		

## AS SHIPPED MATERIAL CONDITION

MATERIAL SOLUTION TREATED AT 1900 DEG. F. HELD 1 HOUR AT TEMPERATURE - AIRCOOLED

A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

APR 13 2015

BY   
CHIP SANDOVAL - Q.C. MANAGER

THANK YOU FOR SELECTING A QUALITY PRODUCT MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY 13208, USA. ALL MELTING DONE IN USA. WE PROVIDE MATERIAL THAT IS FREE FROM MERCURY CONTAMINATION AND RADIATION AT THE TIME OF SHIPMENT. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2008, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 7/2 ANNEX 1, PARAGRAPH 4.3 AND WORKS UNDER THE GUIDELINES OF NCA 3800 USING QP MANUAL DATED 1/27/15. WE ARE COMPLIANT WITH EU DIRECTIVE 2002/95/EC (ROHS), REACH, EN 10204 2004 3.1, AND DFARS 252.225.7001, 7002, 7006, 7009. MATERIAL IS OF NAFTA ORIGIN. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR. IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A370, E8, E10, E18, E23, E45, E112, E381, E504, E572, E1019, AND E1088. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47, PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES.

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED ACCORDANCE WITH ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS.

CRUCIBLE INDUSTRIES LLC

CERTIFIED BY

WILLIAM MASTROE - MANAGER OF QUALITY AND PROCESS ENGINEERING

2x7

# Certificate of Test

Cert Date: 04/07/15

A13038

S O L D T O	CIL INSIDE SALES REP. L HINMAN		SHIPPED FROM SOLVAY, NY USA	CUSTOMER P.O. 48279-3/S16440	CIL ORDER NO. P5-19729-4-01
	QUANTITY SHIPPED 1792 LBS. 1 BDL				HEAT NO. A13038
					CUSTOMER PART NO. S16440

## DESCRIPTION OF MATERIAL

CRU 17CR-4NI HF P SOL TRTD  
AMS-2303-F AMS-5643-T ASME SA-564-13ED TYPE 630 ASTM-A484-14A ASTM-A564-13 TYPE 630  
CAPABLE OF MBO 160-803-C (EX HDNS & UT)

## CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CU	CB	TA
.050	.67	.027	.022	.57	4.32	15.23	.16	3.16	.292	.009

## AS SHIPPED PROPERTIES

HARDNESS  
BHN 360/363

## HEAT CHARACTERISTICS

HEAT CAPABILITY AFTER 900 DEG. F. 1 HR. AIRCOOL:

LONGITUDINAL			MICRO		MACRO	
HARDNESS	TENSILE PSI	209,990	ACCEPTABLE		ACCEPTABLE	
BHN 415	YLD. 2% PSI	182,010	MAGNAFLUX P/S		FERRITE	
	% ELONG4D	13.6	0/0		<3%	
	RED/AREA%	51.9				

## AS SHIPPED MATERIAL CONDITION

MATERIAL SOLUTION TREATED AT 1900 DEG. F. HELD 1 HOUR AT TEMPERATURE - AIRCOOLED

A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

APR 13 2015

BY *[Signature]*  
GRIFF SANDOVAL - Q.C. MANAGER

THANK YOU FOR SELECTING A QUALITY PRODUCT MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY 13209, USA. ALL MELTING DONE IN USA. WE PROVIDE MATERIAL THAT IS FREE FROM MERCURY CONTAMINATION AND RADIATION AT THE TIME OF SHIPMENT. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2008, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 7/2 ANNEX 1, PARAGRAPH 4.3 AND WORKS UNDER THE GUIDELINES OF NCA 3800 USING QP MANUAL DATED 1/27/15. WE ARE COMPLIANT WITH EU DIRECTIVE 2002/95/EC (ROHS), REACH, EN 10204 2004 3.1, AND DFARS 252.225.7001, 7002, 7008, 7009. MATERIAL IS OF NAFTA ORIGIN. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR, IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A370, E8, E10, E18, E23, E45, E112, E381, E604, E572, E1019, AND E1086. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47, PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE LAWS AND REGULATIONS OF THE UNITED STATES.

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CRUCIBLE INDUSTRIES LLC

CERTIFIED BY

*[Signature]*

WILLIAM MASTROE - MANAGER OF QUALITY AND PROCESS ENGINEERING

2x7



575 STATE FAIR BLVD.  
SOLVAY, NY 13209

# Certificate of Test

Cert Date: 04/07/15

A13038

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CIL ORDER NO.  
P5-19729-4-01

HEAT NO.  
A13038

CIL INSIDE SALES REP.  
L HINMAN

SHIPPED FROM  
SOLVAY, NY USA

CUSTOMER P.O.  
48279-3/S16440

CUSTOMER PART NO.  
S16440

QUANTITY SHIPPED 1792 LBS. 1 BDL

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AMS-2303-F AMS-5643-T ASME SA-564-13ED TYPE 630 ASTM-A484-14A ASTM-A564-13 TYPE 630  
CAPABLE OF MBO 160-003-C (EX HDNS & UT)

SIZE  
7.000 X 2.000 FLAT

## CHEMICAL ANALYSIS

C	MN	P	S	SI	NI	CR	MO	CU	CB	TA
.050	.67	.027	.022	.57	4.32	15.23	.16	3.16	.292	.009

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BY GRIP SANDOVAL - Q.C. MANAGER

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CRUCIBLE INDUSTRIES LLC

CERTIFIED BY

William P. Mastroe

WILLIAM MASTROE - MANAGER OF QUALITY AND PROCESS ENGINEERING

2x7

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4  
 DATE: 15/11/23

PO / BATCH NO.: 30508/133673

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 36"  
 QUANTITY INSPECTED: 36"  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 2.00X7.00  
 THICKNESS RECEIVED: 1.980X6.990  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/11/23</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30508**

Purchase Order Date 11/19/2015

PO Print Date 11/19/2015

Page Number 1 of 2

**Order From :**

VU-FUT001

**Ship To :** DART AEROSPACE LTD

FUTURE ALLOYS  
20151 BAHAMA STREET  
CHATSWORTH, CA 91311  
USA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**

**Contact Name**

**Vendor Phone** 800-750-7075

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Overnight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	71401-45	PROCUREMENT QUALITY CLAUSES	11/24/2015 No 11/24/2015 Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of materila conformance A041 quality management system A042 dart noyification by supplier A043 retention of quality documents		1.00 ✓	\$0.00	\$0.00
Line Total:							\$0.00
2	71425-30	PACKAGING/HANDLING CHARGE	11/24/2015 Yes 11/24/2015		1.00 ✓ Each	\$20.00	\$20.00
Line Total:							\$20.00

Note:

11/19/2015





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30508

Purchase Order Date 11/19/2015

PO Print Date 11/19/2015

Page Number 2 of 2

Order From :  
FUTURE ALLOYS  
20151 BAHAMA STREET  
CHATSWORTH, CA 91311  
USA

VU-FUT001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 800-750-7075

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

3	M174B2.000x07.000	17-4 SS Bar 2.00 x 7.00 - Grain on 36" length	11/24/2015	3.00 ✓	\$437.35	\$1,312.05
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Yes

f

11/24/2015

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643  
GRAIN DIRECTION MUST BE ALONG LENGTH  
MINIMUM YIELD TENSILE STRENGTH = 100KSI  
MINIMUM ULTIMATE TENSILE = 150 KSI

2015-11-23

Line Total: \$1,312.05

PO Total: \$1,332.05

N

CL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 11/19/2015